

PCT REQUEST

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SH-18951-PCT

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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using PCT-EASY Version 2.92 (updated 01.07.2003)	
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant) Korean Intellectual Property Office (RO/KR)	
0-7	Applicant's or agent's file reference SH-18951-PCT	
I	Title of invention HIGH DENSITY RECORDING MEDIUM WITH SUPER-RESOLUTION NEAR-FIELD STRUCTURE MANUFACTURED USING HIGH-MELTING POINT METAL OXIDE OR SILICON OXIDE MASK LAYER	
II	Applicant	
II-1	This person is: applicant only	
II-2	Applicant for	
II-4	Name SAMSUNG ELECTRONICS CO., LTD.	
II-5	Address: 416 Maetan-dong, Paldal-gu Suwon-city 442-373 Kyungki-do Republic of Korea	
II-6	State of nationality KR	
II-7	State of residence KR	
II-8	Telephone No. 82-31-200-3698	
II-9	Facsimile No. 82-31-200-3272	
II-10	e-mail sion@samsung.com	
II-11	Applicant's registration No. with the Office 1-1998-104271-3	

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III-1	Applicant and/or inventor	
III-1-1	This person is:	
III-1-2	Applicant for	
III-1-4	Name NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	
III-1-5	Address: 1-3-1 Kasumigaseki Chiyoda-ku, Tokyo 100-8921 Japan	
III-1-6	State of nationality	
III-1-7	State of residence	
III-2	Applicant and/or inventor	
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address: 104-901 SK Apt., 700 Seocheon-ri, Giheung-eup Yongin-si 449-900 Gyeonggi-do Republic of Korea	
III-2-6	State of nationality	
III-2-7	State of residence	
III-3	Applicant and/or inventor	
III-3-1	This person is:	
III-3-2	Applicant for	
III-3-4	Name (LAST, First)	
III-3-5	Address: 111 Higashi Tsukubasi, Ibaraki 305-8562 Japan	
III-3-6	State of nationality	
III-3-7	State of residence	
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	
IV-1-2	Address:	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	
IV-1-5	e-mail	
IV-1-5	Agent's registration No.	

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V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p>EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p>
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	26 September 2002 (26.09.2002)
VI-1-2	Number	2002-281783
VI-1-3	Country	JP
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (KIPO) (ISA/KR)

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VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	7	-
IX-3	Claims	1	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	4	-
IX-7	TOTAL	18	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney	✓	-
IX-13	Priority document(s)	Item(s) VI-1	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract	2	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	LEE, Young-Pil	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR

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10-6	Transmittal of search copy delayed until search fee is paid
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11-1	Date of receipt of the record copy by the International Bureau
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PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only			
0-1	International Application No.			
0-2	Date stamp of the receiving Office			
0-4	Form - PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)		
0-9	Applicant's or agent's file reference	SH-18951-PCT		
2	Applicant	SAMSUNG ELECTRONICS CO., LTD., et al.		
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (KRW)	
12-1	Transmittal fee T	⇒	45,000	
12-2-1	Search fee S	⇒	150,000	
12-2-2	International search to be carried out by	KR		
12-3	International fee Basic fee (first 30 sheets)	b1	530,000	
12-4	Remaining sheets	0		
12-5	Additional amount (X)	12,000		
12-6	Total additional amount b2	0		
12-7	b1 + b2 = B	530,000		
12-8	Designation fees Number of designations contained in international application	97		
12-9	Number of designation fees payable (maximum 5)	5		
12-10	Amount of designation fee (X)	114,000		
12-11	Total designation fees D	570,000		
12-12	PCT-EASY fee reduction R	-163,000		
12-13	Total International fee (B+D-R) I	⇒	937,000	
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	1,132,000	
12-19	Mode of payment	cash		

VALIDATION LOG AND REMARKS

13-2-1	Validation messages Request	Green? The title of the invention shall be short and precise. Please verify.
13-2-2	Validation messages States	Green? More designations could be made. The following States have not been designated: JP. Please verify.

PCT (ANNEX - FEE CALCULATION SHEET)

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13-2-1 1	Validation messages For receiving Office/International Bureau use only	Green? Verify electronic data for consistency against printed form.
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